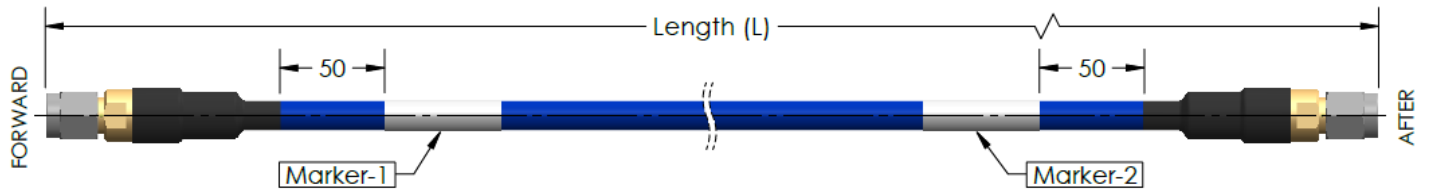


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REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	10/20/22	SVP



Dwg. Number	Customer P/N	Times P/N	Length(L) in 'mm'
IE-00410-01	-	MGS200-SMSM-0.5M	500+10/-0
IE-00410-02	-	MGS200-SMSM-1.0M	1000+20 /-0
IE-00410-03	-	MGS200-SMSM-2.0M	2000+40/-0
IE-00410-04	-	MGS200-SMSM-2.5M	2500+50/-0

### 1.0 Scope

This drawing documents the construction and performance of Maxgain 200 cable assemblies manufactured by Times Microwave systems.

### 2.0 Cable Information

- 2.1 Cable to be MAXGAIN 200
- 2.2 Jacket color to be Blue
- 2.3 Jacket material to be FEP
- 2.4 Nominal cable impedance to be 50 ohms
- 2.5 Cable diameter to be 5.10mm [0.201"].

### 3.0 Connector Information

- 3.1 Forward Connector
  - Type SMA (M) Straight Connector (SP018)
  - Connector Body – Stainless Steel, Passivated
  - Center Contact – Beryllium Copper, Gold Plated
- 3.2 After Connector
  - Type SMA (M) Straight Connector (SP018)
  - Connector Body – Stainless Steel, Passivated
  - Center Contact – Beryllium Copper, Gold Plated

Unless otherwise specified, dimensions are in MM. Tolerances are applicable when specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

### Approvals

Drawn SVP 10/20/22

Checked

Approved



TIMES MICROWAVE SYSTEMS

www.timesmicrowave.com

MG200 CABLE ASSEMBLY  
(Space Assemblies)

Size A CAGE CODE 68999 Drawing No.: IE-00410-XX

Scale: NA

Rev. (A)

Sheet: 1 of 3

THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

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#### 4.0 Electrical Performance

4.1 Frequency range: DC – 22GHz

4.2 Insertion loss & VSWR: As per below table,

Dwg. Number	Max. Insertion Loss in dB	Max. VSWR
	@ 22GHz	@ 22GHz
IE-00410-01	1.03	1.35
IE-00410-02	1.76	1.35
IE-00410-03	3.21	1.35
IE-00410-04	3.94	1.35

#### 5.0 Mechanical Performance

5.1 Overall Length to be specified length.

5.2 Minimum Bend radius is 31.8mm [1.25"].

#### 6.0 Environmental Performance

6.1 Installation Temperature Range (-55°C to +150°C)

6.2 Storage Temperature Range (-55°C to +150°C)

6.3 Operating Temperature Range (-55°C to +150°C)

#### 7.0 Marking

7.1 Markers are to be black text on White Color Marker Sleeve.

7.2 Marker Configuration to be:

Dwg. Number	Marking details	Marker Numbers	Marker Position
IE-00410-01	Times Microwave Systems MGS200-SMSM-0.5M \$\$\$\$\$	1	In Center of the Cable Assy.
IE-00410-02	Times Microwave Systems MGS200-SMSM-1.0M \$\$\$\$\$	1	In Center of the Cable Assy.
IE-00410-03	Times Microwave Systems MGS200-SMSM-2.0M \$\$\$\$\$	1 & 2	At Both Ends

Unless otherwise specified, dimensions are in MM. Tolerances are applicable when specified.

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#### Approvals

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MG200 CABLE ASSEMBLY  
(Space Assemblies)

Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00410-XX
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Scale: NA

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REV	DESCRIPTION	DATE	BY
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IE-00410-04	Times Microwave Systems MGS200-SMSM-2.5M \$\$\$\$\$	1 & 2	At Both Ends
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7.3 \$\$\$\$\$ = 5-digit Serial Number for this specific configuration.

7.4 Register to be Maintained for Serial Number.

## 8.0 NOTES

8.1 All Dimensions are in MM.

8.2 Assemblies built in Class 100,000 clean room.

8.3 Low outgassing materials per ASTM E595.

8.4 Unless Otherwise Specified: Tolerance will be,

Linear Dimension	Tolerance
<500 mm	±10 mm
500-2000 mm	±15 mm
>2000 mm	±20 mm

**\*\*Tolerances are not accumulative.**

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## Approvals

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MG200 CABLE ASSEMBLY  
(Space Assemblies)

Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00410-XX
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